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**From:** Harvey Berliner  
**To:** Nakagawa, Norman  
**CC:** Dunn, James; Simon Zweighaft; Hamayasu, Toru  
**Sent:** 4/28/2010 8:01:41 AM  
**Subject:** HECO 138kv Overhead Lines on Transit Guideway

Norman:

It is my understanding that there was a brief discussion at one time about the placement of HECO's high tension lines on the transit guideway. At that time it was mentioned that such an impact on the guideway structure would need to be thoroughly studied before any determination was made about the feasibility. There are many concerns about such an impact:

- Our Environmental Impact Statement makes no mention about any High Tension lines associated with our guideway. The visual impact would need to be studied and would necessitate a Supplemental EIS.
- A structural analysis would need to be done about the feasibility of placing high tension poles on a viaduct guideway. Can it even be done? If possible, what modifications would be required to the guideway? These modifications would be required while the guideway is being constructed, not at a later date.
- What about the operations and maintenance of the poles and 138kV line while the transit system is in operation.
- Who would pay the cost of the required studies and additional cost to the guideway structure?
- The WOFH Guideway section has already been awarded to a contractor. The Kamehameha Highway Guideway section is in the process of being bid. Any changes to these two sections would result in costly delays to either project.

Based on the reasonings stated above, we have determined that having overhead high tension poles affixed to the transit guideway is not feasible.

Like I mentioned below, we are still in the process of studying the structural changes required to place the 138kV line as part of the transit guideway along Dillingham Blvd. Our examination is ongoing and no decision has been reached on any final configuration or the additional costs

**Harvey L. Berliner, PE**

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**From:** Nakagawa, Norman [mailto:norman.nakagawa@heco.com]  
**Sent:** Tuesday, April 27, 2010 3:06 PM  
**To:** Harvey Berliner  
**Cc:** Dunn, James; Simon Zweighaft  
**Subject:** RE: HECO 138kv Overhead Lines on Transit Guideway

Harvey,

The 138kV line that HECO would like the transit project to consider is an overhead pole line affixed to the guideway. I recall we had some preliminary discussions with Art Borst and everyone had concerns on the visual impact this will have on your project. I just need to have a response back from you verifying this concern. This concern will be used to inform HECO's upper management on the possibility of this 138kV overhead design.

Thanks,

*Norman Nakagawa*

Project Manager, Engineering Department

Hawaiian Electric Company

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**From:** Harvey Berliner [mailto:Berliner@infraconsultllc.com]  
**Sent:** Tuesday, April 27, 2010 2:37 PM  
**To:** Nakagawa, Norman

AR00112513

**Cc:** Dunn, James; Simon Zweighaft  
**Subject:** RE: HECO 138kv Overhead Lines on Transit Guideway

Norman:

We are still examining the structural changes required to place the 138kV line as part of the transit guideway along Dillingham Blvd. Our examination is ongoing and no decision has been reached on any final configuration or the additional costs. I will find out when we should be able to come up with a proposed configuration so we can meet to discuss.

This is the only portion of the guideway where this examination is underway.

**Harvey L. Berliner, PE**

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**From:** Nakagawa, Norman [<mailto:norman.nakagawa@heco.com>]

**Sent:** Tuesday, April 27, 2010 2:15 PM

**To:** Harvey Berliner

**Subject:** HECO 138kv Overhead Lines on Transit Guideway

Harvey,

A number of months ago we've discussed the possibility of having a HECO 138kV overhead line designed into the transit guideway and was wondering if you could provide a response to this request. I recall from our discussions that an 138 kV overhead line could be a visual impact issue as the transit project is already receiving concerns regarding the visual impact of the guideway. Could you provide a response so that I can inform HECO's management team of your concerns?

Thanks,

*Norman Nakagawa*

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Hawaiian Electric Company

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